



Greasecar's official stance on biofuels for consideration by Massachusetts Advanced  
Biofuels Task Force

Dear Task Force Panel,

Thank you for taking the time and energy to help guide our state in an exciting direction needed to ensure a better future for our children.

My name is Jeremie Spitzer and I'm the general manager of Greasecar Vegetable Fuel Systems, based in Easthampton. We develop conversion kits that give diesel engines the flexibility to run on waste vegetable oil, as well as diesel or biodiesel. This flexibility allows the consumer to use whichever fuel is most cost effective for them.

I'd like lawmakers to consider two actions; the first is to qualify waste vegetable oil as an approved fuel. The second is to grant Straight Vegetable Oil (SVO) technology same benefits allocated to other green technologies (i.e. Hybrids). It's important the vegetable oil fuel meet ISO standard 16/13 to ensure reliability. And it's as important that any vehicle running on vegetable oil have the appropriate SVO technology installed.

Vegetable oil is considerably less expensive than gasoline, diesel or biodiesel, and it's better for the environment. Vegetable oil is carbon neutral and has shown to produce less NOx than biodiesel.

The technology is all ready a market reality, I estimate there's over 10,000 vehicles in the US alone running on vegetable oil. Germany has already approved this technology. SVO is fully capable in playing an active role towards combating global warming. Due to SVO's relative simplicity it has the advantage of creating many new jobs without costly investment by the tax payers.

I believe that mandates favoring one technology over another are not the best solution for our state. If lawmakers could encourage environmental improvements while remaining technology neutral that would be ideal.

Lastly I look forward to working with lawmakers interested in helping SVO become a legitimized partner in our fight against global warming.

Thank you kindly for your time.

Jeremie Spitzer  
General Manager  
Greasecar Vegetable Fuel Systems LLC



## Appendix A.

The environmental benefits of running diesel engines on straight waste vegetable oil (SVO):

- SVO is a renewable energy source.
- It's carbon neutral
- SVO is derived from renewable waste oils that, otherwise, need to be disposed
- SVO is safe to use, filter and transport
- SVO does NOT compete with food sources
- SVO emits less NOx than diesel or biodiesel

The financial benefits of using waste vegetable oil to fuel diesel engines:

- SVO is less expensive than diesel, biodiesel, or gasoline
- As of 01-14-2008 SVO is \$1.25 cheaper a gallon than diesel.
- SVO reduces engine wear extending the life and reducing maintenance bills
- The financial costs of starting a business in the SVO industry is immensely cheaper than other alternative fuel

As small as this niche is it still displaces an impressive amount of diesel. Here are Greasecar's estimates on the gallons of diesel displaced by SVO per year\*:

- In the US it's over 4,550,000 gallons
- In MA it's over 100,000 gallons

\*Based on Reuters 2005 study on average miles driven by American's and a conservative 30 miles per gallon.